

Title (en)  
MEDICAL CONTAINER AND SYRINGE

Title (de)  
MEDIZINISCHER BEHÄLTER UND SPRITZE

Title (fr)  
RÉCIPIENT MÉDICAL ET SERINGUE

Publication  
**EP 2422761 A1 20120229 (EN)**

Application  
**EP 10766931 A 20100326**

Priority  
• JP 2010055315 W 20100326  
• JP 2009103182 A 20090421

Abstract (en)  
A syringe (1B) is provided with an inner tube (2B) which has at the tip thereof a mouth section (221) through which liquid can enter and exit the inner tube; a bag body (3B) which is disposed inside the inner tube (2B) and is flexible and reversible; a gasket (6) which is mounted to the tip of the inner tube (2B); and an outer tube (4) in which the inner tube (2B) is inserted together with the gasket (6) so as to be movable in the axial direction. The syringe (1B) is configured in such a manner that, when liquid (Q) enters and exits through the mouth section (221), the bag body (3B) is reversed to change the volume of a containing space (21) surrounded by the inner tube (2B) and the bag body (2B).

IPC 8 full level  
**A61J 3/00** (2006.01); **A61M 5/28** (2006.01); **A61M 5/315** (2006.01); **A61J 1/10** (2006.01); **A61J 1/20** (2006.01); **A61M 5/31** (2006.01)

CPC (source: EP US)  
**A61J 1/2037** (2015.05 - EP US); **A61J 1/2089** (2013.01 - EP US); **A61M 5/31596** (2013.01 - EP US); **A61J 1/10** (2013.01 - EP US); **A61J 1/2096** (2013.01 - EP US); **A61M 5/282** (2013.01 - EP US); **A61M 5/3148** (2013.01 - EP US); **A61M 2005/31516** (2013.01 - EP US); **A61M 2005/31598** (2013.01 - EP US)

Cited by  
US11311673B2; WO2018091912A1; WO2014066249A1; EP4006339A1; US9433726B2; EP4006339B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2422761 A1 20120229**; **EP 2422761 A4 20140226**; **EP 2422761 B1 20161102**; CN 102395346 A 20120328; CN 102395346 B 20140129; JP 5550638 B2 20140716; JP WO2010122872 A1 20121025; US 2012053529 A1 20120301; US 9155679 B2 20151013; WO 2010122872 A1 20101028

DOCDB simple family (application)  
**EP 10766931 A 20100326**; CN 201080017172 A 20100326; JP 2010055315 W 20100326; JP 2011510268 A 20100326; US 201013265522 A 20100326